

Title (en)

Single phase induction motor further comprising a permanent magnetic unit

Title (de)

Einphasiger Asynchronmotor mit einer dauermagnetischen Einheit

Title (fr)

Moteur asynchrone monophasé comprenant une unité aux aimants permanents

Publication

**EP 1455435 A2 20040908 (EN)**

Application

**EP 03029500 A 20031220**

Priority

- KR 20030013490 A 20030304
- KR 20030015520 A 20030312
- KR 20030016177 A 20030314

Abstract (en)

A single phase induction motor comprises: a stator installed at an inner circumferential surface of a motor housing, comprising a stator core on which a plurality of coils are wound; a rotor rotatably installed at a center of the stator and provided with a shaft at a center thereof; and a permanent magnetic unit in the air gap between stator and rotor and able to rotate around the shaft. <IMAGE>

IPC 1-7

**H02K 17/04**

IPC 8 full level

**H02K 17/30** (2006.01); **H02K 16/02** (2006.01); **H02K 17/04** (2006.01); **H02K 17/16** (2006.01); **H02K 21/14** (2006.01)

CPC (source: EP US)

**H02K 16/02** (2013.01 - EP US); **H02K 17/04** (2013.01 - EP US); **H02K 21/14** (2013.01 - EP US)

Citation (applicant)

DE 19548117 A1 19960801 - SCHMIDT GUENTHER [DE]

Cited by

EP1703622A1; DE202013105365U1; EP1650851A1; EP1657811A3; US7459814B2; US7271565B2; US7294949B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 1455435 A2 20040908**; **EP 1455435 A3 20050504**; **EP 1455435 B1 20110928**; CN 100356665 C 20071219; CN 1527466 A 20040908; JP 2004274998 A 20040930; US 2004174083 A1 20040909; US 7239057 B2 20070703

DOCDB simple family (application)

**EP 03029500 A 20031220**; CN 200410001521 A 20040113; JP 2004057574 A 20040302; US 73590803 A 20031216